

Docket Number: 1085-022-PWH
Application No. 09/845,945
Amendment C

REMARKS/ARGUMENTS

By this amendment claims 1, 6, 7, 9 – 12, 23, and 24 are in the application.
Reconsideration is respectfully requested.

Drawing Objection

Applicant respectfully traverses this objection, which asked that the drawings be corrected to show the second pair of members. In reply, applicant notes that Fig. 1 shows both the first pair of members (items 4, 5 in the drawing) and the second pair of members (items 8, 9 in the drawing). Accordingly, applicant believes that this objection may be withdrawn.

Claim Rejections Under USC § 112, Second Paragraph

Applicant believes that the foregoing claim amendments obviate the rejections made in paragraphs 4 – 6 of the Detailed Action.

Patentability of the Claims

Independent claims 1 and 12 of the present application have been amended to recite an aspect of the invention described in the application, especially in the two paragraphs beginning on line 21 of page 6, and that provides for simultaneous generation of laser radiation having two different wavelengths: one (a “first laser beam”) of about 1- μ m wavelength, and the other (a “second laser beam”) of about 2- μ m wavelength.

Essentially, the compact arrangement of components described and claimed provides for selected differences in the reflectivities of the “first pair” of 1- μ m reflective members, thereby to produce the first laser beam emitting from one of those members (mirror 4 in the described embodiment).

The second laser beam is produced to emanate from the Trn:YAG sample (through the fourth and second mirror (9, 5) shown in the embodiment of Fig. 1.

Nothing in the art of record teaches or suggests the invention defined in amended claims 1 and 12 for providing simultaneous generation of laser radiation having two different wavelengths. For example, the Anthon reference specifies that the reflective surfaces 14a and 12b (which the Examiner likens to the claimed first and second members of claim 1) have the same, high

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reflectivity of 1064 nm light. There is no suggestion in Anthon of making one of surfaces reflect less radiation than the other.

Moreover, inasmuch as Anthon pumps the Nd:YAG sample 14 from the end (as compared to the side-pumped Nd:YAG sample of the present invention, recited in amended claim 6), it is not clear how, without a redesign of Anthon, there could be simultaneous generation of two separate laser beams of differing wavelengths.

Conclusion

In view of the foregoing, applicant submits that all of the present claims are in condition for allowance, and an early notification to that effect is respectfully requested. If the Examiner has any questions, he is invited to contact applicant's attorney at the below-listed telephone number.

Respectfully submitted,
ipsolon llp

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